APPENDIX A
Site Photographs

Photo 1. Dumping of clean fill onto geotextile

Photo 2. Capping east of stream

Photo 3. Stabilization of western stream bank

Photo 4. Stabilization of eastern stream bank

Photo 5. Stabilization of observation point shoreline (looking landward)

Photo 6. Installation of super silt fence along stream bed

Photo 7. Stabilization of shoreline behind rock sill

Photo 8. Placement of clean sand for living shoreline

Photo 9. Rock sill and clean sand

Photo 10. Shoreline west of piers (looking toward piers)

Photo 11. Community piers

Photo 12. Floating dock

Photo 13. Fixed pier

Photo 14. Tree preservation area

Photo 15. Group of preserved trees with #57 stone

Photo 16. Excavated large non-tidal wetland before cap

Photo 17. Installation of bentomat and 2 ft cap in large non-tidal wetland

Photo 18. Final grading of capped large non-tidal wetland

Photo 19. Large non-tidal wetland holding water

Photo 20. Small non-tidal wetland behind Education Center

Photo 21. Non-tidal wetland in stockpile area

Photo 22. Constructing haul road

Photo 23. Security fencing along haul road

Photo 24. Capped upland area with plantings and two non-tidal wetlands

Photo 25. Stream and Capped Upland Area East of Stream

APPENDIX B

Clean Fill Approval Letters

SAVAGE STONE LLC

P.O. Box 850
Laurel, MD 20725

Office: (301) 953-7650
Fax: (301) 470-4075

August 15, 2011

Larry Walsh
Maryland Environmental Service
Baltimore, Maryland

Re: "Clean" Soil Certification

Gentlemen:

This letter serves to certify that the 50,000 tons of Common Borrow that will be delivered by Strawbridge Contracting, Inc. to Maryland Environmental Service in August of 2011 to November of 2011 and delivered to the Masonville Cove site on Frankfurst Avenue in Baltimore, Maryland is to my knowledge not contaminated with controlled hazardous substances or petroleum products as a result of a spill, leak, discharge or release into the environment.

The Common Borrow was delivered to another MDE project Union Mill in June and July of 2011. The site is located at 1500 Union Avenue, Baltimore, MD 21211.

The Savage Stone Quarry is located at 8420 Washington Blvd., Jessup, Maryland 20794.

Sincerely,

Bob Sharbaugh
Savage Stone, LLC
Sales Manager

Can you send me a map or description of the location of the approved soil at the I- 95/895 site? McLean wants to start delivery soon and I want to go out and verify the source location, etc. we will be following the same plan for transporting, placing, etc. as was developed for the ICC dirt.

Thanks,

Larry

From: Hulbert, James [mailto:Jhulbert@eaest.com]
Sent: Wednesday, August 04, 2010 12:40 PM
To: Larry Walsh
Subject: FW: MTA I-95/I-895 Project Soils for use at Masonville

Larry – looks like the soil from I-95/_895 has been approved, can you bring me up to speed on the status of moving the soil?

Thanks!

Jim Hulbert

EA Engineering

15 Loveton Circle

Sparks, MD 21152

Office: (410) 329-5125

Cell: (443) 506-1834

Fax: (410) 771-4202

From: Hulbert, James
Sent: Monday, August 02, 2010 11:57 AM
To: Bruce Jacobs; Cheatwood, Cynthia; Stephanie Lindley; 'Stephanie Peters'
Subject: FW: MTA I-95/I-895 Project Soils for use at Masonville

Bruce – We re-evaluated the soil and Mark has accepted our assessment. The material can be used as clean fill at Masonville. Please let me know the schedule for transport and placement. We must follow the same plan that we developed for the ICC soil.

Thanks!

Jim Hulbert

EA Engineering

15 Loveton Circle

Sparks, MD 21152

Office: (410) 329-5125

Cell: (443) 506-1834

Fax: (410) 771-4202

From: Mark Mank [mailto:mmank@mde.state.md.us]
Sent: Monday, August 02, 2010 11:51 AM
To: Hulbert, James
Cc: Joel Knauff
Subject: RE: MTA I-95/I-895 Project Soils for use at Masonville

Based upon the additional evaluation the soil appears to acceptable for use at Masonville.

>>> "Hulbert, James" <Jhulbert@eaest.com> 8/2/2010 10:27 AM >>>

Mark,

The resulting 95UCL, for the I95 soil assuming ½ the DL, for benzo(a)pyrene is 0.038 mg/kg. We also re-calculated the 95%UCL for areas in Phase I that do not require remedial action (Areas A and D, see attached figure) to determine if there is a change in the overall risk results. We performed the same calculation as presented in the Phase II Supplemental ESA – Phase I Confirmation Sampling (March 2010). We substituted the 95UCL for benzo(a)pyrene at 0.038 mg/kg and also re-considered the other primary carcinogenic PAH, dibenz(a,h)anthracene at 0.038 mg/kg (since the results in the I95 soil are similar). We used the same dataset presented in the Phase II ESA. Here are the results:

	95UCL in Phase II ESA (mg/kg)	95UCL using I95 Soil (mg/kg)	Carcinogenic Risk presented in Phase II ESA	Carcinogenic Risk with I95 Soil
Area C				
BaP	0.095 (see Table 5-4 of Phase II)	0.096	3E-6 (see Table 5-4 of Phase II)	3E-6
Dibenz	0.0366 (see Table 5-4 of Phase II)	0.039	1E-6 (see Table 5-4 of Phase II)	1E-6
Area D				
BaP	0.114 (see Table 5-6 of Phase II)	0.114	3E-6 (see Table 5-6 of Phase II)	3E-6
Dibenz	0.0245 (see Table 5-6 of Phase II)	0.026	7E-7 (see Table 5-6 of Phase II)	7.4E-7

The results do not reveal an increase in the carcinogenic risk for the two PAHs.

Please review and provide any comments. We would like to set up a conference call to discuss any further concerns you might have. Thanks for your help.

Jim Hulbert

EA Engineering

15 Loveton Circle

Sparks, MD 21152

Office: (410) 329-5125

Cell: (443) 506-1834

Fax: (410) 771-4202

Juan Gordon

From: Larry Walsh
Sent: Wednesday, February 22, 2012 11:05 AM
To: Juan Gordon
Subject: FW: Quarantine Road Fill Evaluation Results

The approval from MDE on Quarantine road.

From: Hulbert, James [mailto:Jhulbert@eaest.com]
Sent: Tuesday, February 08, 2011 1:59 PM
To: Larry Walsh; Stephanie Peters
Subject: FW: Quarantine Road Fill Evaluation Results

Larry/Steph - See below - Qurantine Road material is acceptable. Please let me know when the material will be relocated to Masonville. MDE requested to perfrom a site inspection when thinigs kick-off again.

Good news!

Thanks - Jim

From: Mark Mank [mmank@mde.state.md.us]
Sent: Tuesday, February 08, 2011 11:45 AM
To: Hulbert, James; Joel Knauff
Subject: RE: Quarantine Road Fill Evaluation Results

Jim the material at Quarantine Road is acceptable for use as fill at Masonville, however the following should be noted. COCs should not be eliminated when they are below the site-screening value. In order to account for additivity other potential contaminants must be included when one or more contaminant(s) exceed the screening value. I re-evaluated the soils in question accounting for all potential COCs and the cancer risk falls within an acceptable range. Other fill sources should evaluate all potential COCs when one COC exceeds since the greater the exceedance the lower the values for the other potential COCs will need to be.

>>> "Hulbert, James" <Jhulbert@eaest.com> 2/7/2011 11:53 AM >>>

Mark/Joel – The weather is starting to clear up and they would like to start moving material. Anything you can do to assist would be greatly appreciated. Please let me know if you need any further information.

Thank you!

Jim Hulbert

EA Engineering

Office (410) 329-5125

Cell (443) 506-1834

Fax (410) 771-4204

From: Hulbert, James
Sent: Monday, January 31, 2011 11:17 AM
To: Mark Mank; 'Joel Knauff'
Subject: Quarantine Road Fill Evaluation Results

Mark/Joel:

Find attached the quarantine road fill evaluation letter. In general we found low levels of metals and PAHs but the material appears to pass the risk threshold. Please review and provide comments.

Thanks!

Jim Hulbert

EA Engineering

Office (410) 329-5125

Cell (443) 506-1834

Fax (410) 771-4204

Juan Gordon

From: Larry Walsh
Sent: Wednesday, February 22, 2012 11:27 AM
To: Juan Gordon
Subject: FW: Approval of Montebello Fill Material for Masonville Cove Project

You may already have this.

From: Larry Walsh
Sent: Wednesday, February 22, 2012 11:06 AM
To: Juan Gordon
Subject: FW: Approval of Montebello Fill Material for Masonville Cove Project

fyi

From: Hulbert, James [mailto:Jhulbert@eaest.com]
Sent: Thursday, June 02, 2011 11:54 AM
To: Larry Walsh; Stephanie Peters
Subject: FW: Approval of Montebello Fill Material for Masonville Cove Project

Montebello material is approved.

Larry – please let me know when you have the second stockpile information ready for submittal to MDE.

Jim Hulbert
EA Engineering

Office (410) 329-5125
Cell (443) 506-1834
Fax (410) 771-4204

From: Joel Knauff [mailto:JKnauff@mde.state.md.us]
Sent: Thursday, June 02, 2011 11:30 AM
To: Hulbert, James
Cc: Mark Mank
Subject: Approval of Montebello Fill Material for Masonville Cove Project

Jim,

Mark and I have completed our review of the report entitled, Fill Material Evaluation - Montebello Filtration Site, dated May 23, 2011 and dated May 23, 2011. As stated in the report, no concentrations of contaminants were noted at or above the state-mandated clean-up levels. The sampling appears to have been performed in accordance with the recently submitted work plan. As such, the soil from the Montebello site is acceptable for use as fill for the Masonville Cove site. The report is approved and you may proceed with the use of the Montebello fill material described therein.

Our only real comment is from a review/report logistics standpoint. It would be helpful if this type of report contained a summary table of the lab results in it rather than just the raw analytical results as they are presented by the lab. While we still should get the raw data as an attachment, on its own, it makes the report review rather cumbersome. A summary/comparative table would be very helpful. Please include this in future reports of this type.

Thanks,

Joel

Joel B. Knauff
Geologist III
Maryland Department of the Environment
Land Management Administration - CHS Enforcement Division
1800 Washington Boulevard
Baltimore, Maryland 21230
Phone: 410-537-3493

SAVAGE STONE LLC

P.O. Box 850
Laurel, MD 20725

Office: (301) 953-7650
Fax: (301) 470-4075

June 16, 2011

Larry Walsh
Maryland Department of the Environment
Baltimore, Maryland

Re: "Clean" Soil Certification

Gentlemen:

This letter serves to certify that the 500 tons of #57 Stone that will be sold to FTC Aggregate Supply, Inc. in June of 2011 to September of 2011 and delivered to 1000 Frankfurst Avenue in Baltimore, Maryland is to my knowledge not contaminated with controlled hazardous substances or petroleum products as a result of a spill, leak, discharge or release into the environment.

The Savage Stone Quarry is located at 8420 Washington Blvd., Jessup, Maryland 20794.

Sincerely,

Bob Sharbaugh
Savage Stone, LLC
Sales Manager

SAVAGE STONE LLC

P.O. Box 850
Laurel, MD 20725

Office: (301) 953-7650
Fax: (301) 470-4075

July 20, 2011

Larry Walsh
Maryland Department of the Environment
Baltimore, Maryland

Re: "Clean" Soil Certification

Gentlemen:

This letter serves to certify that the 500 tons of #2 Stone that will be sold to FTC Aggregate Supply, Inc. in July of 2011 to September of 2011 and delivered to 1000 Frankfurst Avenue in Baltimore, Maryland is to my knowledge not contaminated with controlled hazardous substances or petroleum products as a result of a spill, leak, discharge or release into the environment.

The Savage Stone Quarry is located at 8420 Washington Blvd., Jessup, Maryland 20794.

Sincerely,

Bob Sharbaugh
Savage Stone, LLC
Sales Manager

Juan Gordon

From: Larry Walsh
Sent: Wednesday, February 22, 2012 12:18 PM
To: Juan Gordon
Subject: FW: Masonville - new source of 357 Stone

From: Hulbert, James [mailto:Jhulbert@eaest.com]
Sent: Monday, August 08, 2011 3:46 PM
To: Larry Walsh; Stephanie Peters
Subject: FW: Masonville - new source of 357 Stone

Larry - #57 stone source has been approved.

Regards,

Jim Hulbert

EA Engineering

Office (410) 329-5125
Cell (443) 506-1834
Fax (410) 771-4204

From: Joel Knauff [mailto:JKnauff@mde.state.md.us]
Sent: Monday, August 08, 2011 2:05 PM
To: Hulbert, James
Subject: Re: Masonville - new source of 357 Stone

Hi Jim,

The letter certification is acceptable. The stone from Vulcan is approved for use at Masonville.

Best regards,

Joel

APPENDIX C

Sample of Clean Fill Material Tracking Records

MASONVILLE COVE STOCKPILE PROJECT
DELIVERY TRACKING

DATE: Jan 10, 2012

Page 1 of _____

WEST STREAM

TRUCK	Truck ID		Time In	Quantity	Comments/Soil Description
	Truck Number	other			
1	5500	019862			SAVAGE
2	7068	019910			SAVAGE
3	952A	019866			SAVAGE
4	1298	019885			SAVAGE
5	7068	019911			SAVAGE
6	952A	019867			SAVAGE
7	5500	019863			SAVAGE
8	1298	019886			SAVAGE
9	7068	019912			SAVAGE
10	5500	019864			SAVAGE
11	952A	019868			SAVAGE
12	1298	019887			SAVAGE
13	1293	019513			SAVAGE
14	7068	019913			SAVAGE
15	5111	019647			SAVAGE
16	5500	019865			SAVAGE
17	952A	019869			SAVAGE

SAMPLE

MASONVILLE COVE STOCKPILE PROJECT
DELIVERY TRACKING

DATE: Jan 10, 2012

Page 2 of _____

WEST STREAM

TRUCK	Truck ID		Time In	Quantity	Comments/Soil Description
	Truck Number	other			
18	1298	019938			SAVAGE
19	1293	019514			SAVAGE
20	1292	019959			SAVAGE
21	7068	019914			SAVAGE
22	5111	019648			SAVAGE
23	5500	019948			SAVAGE
24	952A	019820			SAVAGE
25	1298	019939			SAVAGE
26	1293	019515			SAVAGE
27	7068	019915			SAVAGE
28	5111	019649			SAVAGE
29	5500	019949			SAVAGE
30	952A	019871			SAVAGE
31	1298	019940			SAVAGE
32	1293	019516			SAVAGE
33	8004	019898			SAVAGE
34	1299	019724			SAVAGE

MASONVILLE COVE STOCKPILE PROJECT
DELIVERY TRACKING

DATE: Jan 10, 2012

WEST STREAM

TRUCK	Truck ID		Time In	Quantity	Comments/Soil Description
	Truck Number	other			
35	1297	019989			SAVAGE
36	5500	019950			SAVAGE
37	1293	019517			SAVAGE
38	5514	019632			SAVAGE
39	952A	019872			SAVAGE
40	1298	019941			SAVAGE
41	7668	019916			SAVAGE
42	5111	019650			SAVAGE
43	8004	019899			SAVAGE
44	7668	019917			SAVAGE
45	5500	019951			SAVAGE
46	5111	016750			SAVAGE
47	952A	019873			SAVAGE
48	1293	019518			SAVAGE
49	1298	019942			SAVAGE
50	5514	019633			SAVAGE
51	8004	019900			SAVAGE

MASONVILLE COVE STOCKPILE PROJECT
DELIVERY TRACKING

DATE: Jan 10, 2012

WEST STREAM

TRUCK	Truck ID		Time In	Quantity	Comments/Soil Description
	Truck Number	other			
52	7068	019918			SAVAGE
53	5500	019952			SAVAGE
54	952A	019810			SAVAGE
55	5111	016407			SAVAGE
56	1293	019519			SAVAGE
57	1298	019943			SAVAGE
58					SAVAGE
59					SAVAGE
60					SAVAGE
61					SAVAGE
62					SAVAGE
63					SAVAGE
64					SAVAGE
65					SAVAGE
66					SAVAGE
67					SAVAGE
68					SAVAGE

APPENDIX D

Material Specifications

TENCATE
Mirafi

Mirafi® 180N

Mirafi® 180N is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 180N geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	N (lbs)	912 (205)	912 (205)
Grab Tensile Elongation	ASTM D 4632	%	50	50
Trapezoid Tear Strength	ASTM D 4533	N (lbs)	356 (80)	356 (80)
CBR Puncture Strength	ASTM D 6241	N (lbs)	2225 (500)	
Apparent Opening Size (AOS) [1]	ASTM D 4751	mm (U.S. Sieve)	0.18 (80)	
Permittivity	ASTM D 4491	sec^{-1}	1.1	
Flow Rate	ASTM D 4491	$l/min/m^2$ ($gal/min/ft^2$)	3870 (95)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

[1] ASTM D 4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value	
Weight	ASTM D 5261	g/m^2 (oz/yd^2)	271 (8.0)	
Thickness	ASTM D 5199	mm (mils)	1.8 (72)	
Roll Dimensions (width x length)	--	m (ft)	3.8 x 110 (12.5 x 360)	4.5 x 91 (15 x 300)
Roll Area	--	m^2 (yd^2)	418 (500)	
Estimated Roll Weight	--	kg (lb)	120 (265)	

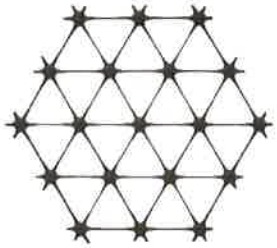
TENCATE
materials that make a difference

FGS000351
ETQR30

Product Specification - TriAx® TX140 Geogrid

Tensar International Corporation reserves the right to change its product specifications at any time. It is the responsibility of the person specifying the use of this product and of the purchaser to ensure that product specifications relied upon for design or procurement purposes are current and that the product is suitable for its intended use in each instance.

Tensar TriAx® Geogrid



General

1. The geogrid is manufactured from a punched polypropylene sheet, which is then oriented in three substantially equilateral directions so that the resulting ribs shall have a high degree of molecular orientation, which continues at least in part through the mass of the integral node.
2. The properties contributing to the performance of a mechanically stabilized layer include the following:

Index Properties	Longitudinal	Diagonal	Transverse	General
▪ Rib pitch(2), mm (in)	40 (1.60)	40 (1.60)	-	
▪ Mid-rib depth(2), mm (in)	-	1.2 (0.05)	1.2 (0.05)	
▪ Mid-rib width(2), mm (in)	-	1.1 (0.04)	1.1 (0.04)	
▪ Rib shape				rectangular
▪ Aperture shape				triangular

Structural Integrity	
▪ Junction efficiency(3), %	93
▪ Aperture stability(4), kg-cm/deg @ 5.0kg-cm (2)	3.0
▪ Radial stiffness at low strain(5), kN/m @ 0.5% strain	225
(lb/ft @ 0.5% strain)	(15,430)

Durability	
▪ Resistance to chemical degradation(6)	100%
▪ Resistance to ultra-violet light and weathering(7)	100%

Dimensions and Delivery

The TX geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 3.0 meters (9.8 feet) and/or 4.0 meters (13.1feet) in width and 75 meters (246 feet) in length.

Notes

1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759-02. Brief descriptions of test procedures are given in the following notes.
2. Nominal dimensions.
3. Load transfer capability determined in accordance with GRI-GG2-87 and GRI-GG1-87 and expressed as a percentage of ultimate tensile strength.
4. In-plane torsional rigidity measured by applying a moment to the central junction of a 225mm x 225mm specimen restrained at its perimeter in accordance with U.S. Army Corps of Engineers Methodology for measurement of Torsional Rigidity, (Kinney, T.C. Aperture stability Modulus ref 3, 3.1.2000).
5. Radial stiffness is determined from tensile stiffness measured in any in-plane axis from testing in accordance with ASTM D6637-01.
6. Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing.
7. Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D4355-05.

Tensar International Corporation
5883 Glenridge Drive, Suite 200
Atlanta, Georgia 30328-5363
Phone: 800-TENSAR-1
www.tensar-international.com

CETCO®

LINING TECHNOLOGIES
Certified Properties

BENTOMAT® SDN CERTIFIED PROPERTIES

MATERIAL PROPERTY	TEST METHOD	TEST FREQUENCY $ft^2(m^2)$	REQUIRED VALUES
Bentonite Swell Index[1]	ASTM D 5890	1 per 50 tonnes	24 mL/2g min.
Bentonite Fluid Loss[1]	ASTM D 5891	1 per 50 tonnes	18 mL max.
Bentonite Mass/Area[2]	ASTM D 5993	40,000 ft^2 (4,000 m^2)	0.75 lb/ft^2 (3.6 kg/m^2) min
GCL Grab Strength[3]	ASTM D 6768	200,000 ft^2 (20,000 m^2)	25 lbs/in (44 N/cm) MARV
GCL Peel Strength[3]	ASTM D 6496	40,000 ft^2 (4,000 m^2)	3.0 lbs/in (5.2 N/cm) min
GCL Index Flux[4]	ASTM D 5887	Weekly	1×10^{-8} m^3/m^2/sec max
GCL Hydraulic Conductivity[4]	ASTM D 5887	Weekly	5×10^{-9} cm/sec max
GCL Hydrated Internal Shear Strength[5]	ASTM D 5321 ASTM D 6243	Periodic	500 psf (24 kPa) typ @ 200 psf

Bentomat SDN is a reinforced GCL consisting of a layer of sodium bentonite between two nonwoven geotextiles, which are needlepunched together.

Notes

[1] Bentonite property tests performed at a bentonite processing facility before shipment to CETCO's GCL production facilities.

[2] Bentonite mass/area reported at 0 percent moisture content.

[3] All tensile strength testing is performed in the machine direction using ASTM D 6768. All peel strength testing is performed using ASTM D 6496. Upon request, tensile and peel results can be reported per modified ASTM D 4632 using 4 inch grips.

[4] Index flux and permeability testing with deaired distilled/deionized water at 80 psi (551kPa) cell pressure, 77 psi (531 kPa) headwater pressure and 75 psi (517 kPa) tailwater pressure. Reported value is equivalent to 925 gal/acre/day. This flux value is equivalent to a permeability of 5×10^{-9} cm/sec for typical GCL thickness. Actual flux values vary with field condition pressures. The last 20 weekly values prior the end of the production date of the supplied GCL may be provided.

[5] Peak values measured at 200 psf (10 kPa) normal stress for a specimen hydrated for 48 hours. Site-specific materials, GCL products, and test conditions must be used to verify internal and interface strength of the proposed design.

CETCO has developed an edge enhancement system that eliminates the need to use additional granular sodium bentonite within the overlap area of the seams. We call this edge enhancement, SuperGroove™, and it comes standard on both longitudinal edges of Bentomat® SDN. It should be noted that SuperGroove™ does not appear on the end-of-roll overlaps and recommend the continued use of supplemental bentonite for all end-of-roll seams.

800.527.9948 Fax 847.851.1899

APPENDIX E

Baseline Air Monitoring Results

KCI TECHNOLOGIES
ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS
936 RIDGEBROOK ROAD • SPARKS, MARYLAND 211152 • 410-316-7800 • (FAX) 410-316-7935

Ms. Stephanie Lindley
Maryland Environmental Services
936 Najoles Road
Millersville, Maryland 21108

December 29, 2010

Ref: Letter Report – Task 3 Background Sampling
KCI Job No. 01071602.23 (Task 3)

Dear Ms. Lindley,

KCI Technologies, Inc. (KCI) was contracted by the Maryland Environmental Services (MES) to conduct background sampling at the Masonville Cove property located in Baltimore, Maryland. This letter report describes the methods and results of the background sampling, which is identified as Task 3 in KCI's proposal dated March 31, 2009.

Purpose/Strategy

The purpose of the background sampling was to determine if lead and arsenic contaminants are entering the subject property from surrounding properties, and to obtain baseline levels of contaminants for future comparison. To assess possible intrusion of contaminants, samples were collected on the fence line of the Masonville Cove property. To establish baseline concentrations, KCI selected sampling locations where sampling is likely to occur during future soil disturbance.

This sampling strategy was developed in October 2010, after a review of additional data and reports received from MES on soil contamination and soil excavation plans in the subject property.

Other factors considered in the air sampling strategy included activities taking place at the subject site on the sampling days and the weather. KCI ensured that there was no intrusive work taking place at the subject property on sampling dates. The sampling dates (four days in November 2010) were selected based on wind and rain factors (i.e., samples were collected downwind from potential sources of contaminants and on dry days). The sample locations are indicated on Attachment A.

Results

The fifteen background air samples and four field blanks were analyzed for lead and arsenic in accordance with National Institute of Occupational Safety and Health (NIOSH) methods by Batta Laboratories, Inc. in Newark, Delaware.

All laboratory results indicated that the airborne concentrations of lead and arsenic were below the analytical limits of quantitation. The concentrations of lead were all less than 2.74 micrograms/cubic meter ($\mu g/m^3$). The concentrations of arsenic were all less than 1.15 $\mu g/m^3$ (see Attachment B).

The total dust results ranged from 0.002 milligrams/cubic meter (mg/m^3) to 0.136 mg/m^3.

These results will be incorporated into a final report after future sampling. Please feel free to call me with any questions or comments.

Sincerely,
KCI Technologies, Inc.

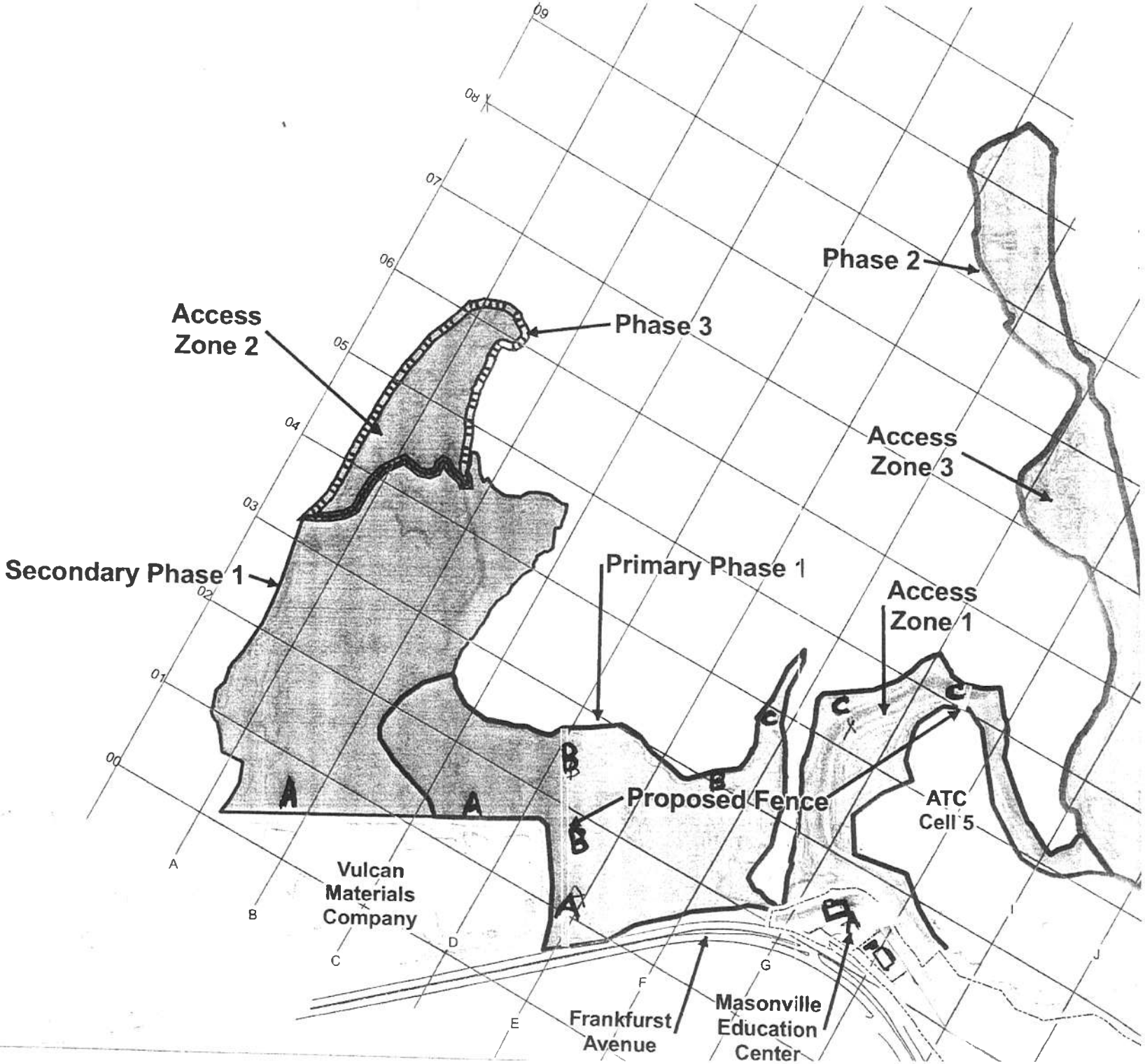
H. Allen Bennett

H. Allen Bennett CIH, CSP
Senior Industrial Hygienist
(410) 891-1844

Cc: Kamau McAbee
Josh Julius

Attachments: Attachment A: Sampling Locations
Attachment B: Laboratory Results

M:\2007\01071602.23\REPORTS\TASK 3\LETTER REPORT MASONVILLE 12.29.10.DOC


Phase 2
Access Zone 2
Phase 3
Access Zone 3
Secondary Phase 1
Primary Phase 1
Access Zone 1
Proposed Fence
ATC Cell 5
Vulcan Materials Company
Frankfurst Avenue
Masonville Education Center

Sample No.	Area Sampled (KCl Designation)	GPS Coordinates (Degrees, Decimal Minutes)	Date	Time On	Time Off	Total Time (min)	Total Volume (L)	Winds (predominant direction)
MAS 1C-1	C	N 39°14.584' W 76°35.660' ±11'	11.15.10	08:00	16:00	480	960	NE
MAS 2C-1	C	N 39°14.686' W 76°35.574' ±10'	11.15.10	08:30	16:10	460	920	NE
MAS 3C-1	C	N 39°14.666' W 76°35.709' ±16'	11.15.10	08:45	16:26	461	922	NE
MAS 4C-1	C	N 39°14.676' W 76°35.656' ±13'	11.15.10	09:15	16:17	422	844	NE
MAS BlankC-1	NA	NA	11.15.10	NA	NA	NA	NA	NA
MAS 1A-1	A	N 39°14.615' W 76°35.885' ±18'	11.17.10	08:15	16:17	482	964	NW
MAS 2A-1	A	N 39°14.887' W 76°35.871' ±14'	11.17.10	08:30	16:30	480	960	NW
MAS 3A-1	A	N 39°14.621' W 76°35.943' ±17'	11.17.10	08:45	16:23	456	912	NW
MAS 4A-1	A	N 39°14.617' W 76°36.008' ±10'	11.17.10	08:50	16:30	440	836	NW
MAS BlankA-1	NA	NA	11.17.10	NA	NA	NA	NA	NA
MAS 1A-2	A	N 39°14.623' W 76°35.686' ±14'	11.18.10	08:20	16:20	480	960	W/NW
MAS 2A-2	A	N 39°14.580' W 76°35.858' ±13'	11.18.10	08:22	16:23	481	961	W/NW
MAS 3A-2	A	N 39°14.625' W 76°35.952' ±12'	11.18.10	08:24	16:25	481	961	W/NW
MAS 4A-2	A	N 39°14.627' W 76°36.006' ±9'	11.18.10	08:26	16:26	480	960	W/NW
MAS BlankA-2	NA	NA	11.18.10	NA	NA	NA	NA	NA
MAS 1B-1	B	N 39°14.623' W 76°35.686' ±14'	11.24.10	07:40	15:40	480	960	NW/NNW
MAS 2B-1	B	N 39°14.670' W 76°35.911 ±10'	11.24.10	07:43	15:43	480	960	NW/NNW
MAS 3B-1	B	N 39°14.646' W 76°35.746' ±11'	11.24.10	07:45	15:45	480	960	NW/NNW
MAS BlankB-1	NA	NA	11.24.10	NA	NA	NA	NA	NA

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Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA LAB ID#: DE004

AIHA/NLLAP#: 100448

NVLAP# 101032

REPORT OF ANALYSIS

Test Method: NIOSH 7900

Report Revision#: Original
Project Number: L211501
Project Name: 12-03-10A - KCI TECHNOLOGIES INC.-01083028.04-DGS
Project Location: MASONVILLE COVE BACKGROUND (TASK 3)
Date Received: 12/2/2010 **Date Sampled:** 11/15/2010
Date Analyzed: 12/3/2010 **Sampled By:** CLIENT
Analyte Requested: AIR-As (ARSENIC) **Date Report Issued:** 12/7/2010

Lab Sample#	Field Sample#	Sample Description	Total Time (min)	Volume (L)	As (ARSENIC) µg / sample	As (ARSENIC) µg/m³	8 Hr TWA (µg/m³)	Reporting Limit (µg/sample)
671781	1A-2	AREA #9	480	960.0	< 1.00	< 1.04	< 1.04	
671782	2A-2	AREA #10	481	961.0	< 1.00	< 1.04	< 1.04	
671783	3A-2	AREA #11	481	961.0	< 1.00	< 1.04	< 1.04	
671784	4A-2	AREA #12	480	960.0	< 1.00	< 1.04	< 1.04	
671785	BLANK A-2	BLANK			< 1.00			1.00
671786	1 B-1	AREA #13	480	960.0	< 1.00	< 1.04	< 1.04	
671787	2B-1	AREA #14	480	960.0	< 1.00	< 1.04	< 1.04	
671788	3B-1	AREA #15	480	960.0	< 1.00	< 1.04	< 1.04	
671789	BLANK B1	BLANK			< 1.00			

Note: 1. Blank values were not subtracted from reported sample values; 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; 4. Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; and 5. This report does not constitute endorsement by AIHA, NVLAP and/or any other U.S. governmental agencies.

Analyst: Z. Hill, B.S. **QA/QC By:** _____

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EPA LAB ID#: DE004

AIHA/NLLAP#: 100448

NVLAP# 101032

REPORT OF ANALYSIS

Test Method: NIOSH 7082

Report Revision#:	Original		
Project Number:	L211501		
Project Name:	KCI TECHNOLOGIES INC.-01083028.04-DGS-12-03-10A		
Project Location:	MASONVILLE COVE BACKGROUND (TASK 3)		
Date Received:	12/2/2010	**Date Sampled:**	11/15/2010
Date Analyzed:	12/3/2010	**Sampled By:**	CLIENT
Analyte Requested:	AIR-Pb (LEAD)	**Date Report Issued:**	12/10/2010

				Pb (LEAD)		Reporting
	Field		Total Time	Volume	8 Hr TWA	

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EPA LAB ID#: DE004

AIHA/NLLAP#: 100448

NVLAP# 101032

REPORT OF ANALYSIS

Test Method: NIOSH 7900

Report Revision#: Original
Project Number: L211501
Project Name: 12-03-10A - KCI TECHNOLOGIES INC.-01083028.04-DGS
Project Location: MASONVILLE COVE BACKGROUND (TASK 3)
Date Received: 12/2/2010 **Date Sampled:** 11/15/2010
Date Analyzed: 12/3/2010 **Sampled By:** CLIENT
Analyte Requested: AIR-As (ARSENIC) **Date Report Issued:** 12/7/2010

Lab Sample#	Field Sample#	Sample Description	Total Time (min)	Volume (L)	As (ARSENIC) µg / sample	As (ARSENIC) µg/m³	8 Hr TWA (µg/m³)	Reporting Limit (µg/sample)
671768	1C-1	MASONVILLE EDUCATION CENTER	480	960.0	< 1.00	< 1.04	< 1.04	
671769	2C-1	AREA #2	460	920.0	< 1.00	< 1.09	< 1.04	
671770	3C-1	AREA #3	461	922.0	< 1.00	< 1.08	< 1.04	
671772	4C-1	AREA #4	422	844.0	< 1.00	< 1.18	< 1.04	
671774	BLANK C-1	BLANK			< 1.00			1.00
671776	1A-1	AREA #5	482	964.0	< 1.00	< 1.04	< 1.04	
671777	2A-1	AREA #6	480	960.0	< 1.00	< 1.04	< 1.04	
671778	3A-1	AREA #7	458	916.0	< 1.00	< 1.09	< 1.04	
671779	4A-1	AREA #8	460	836.0	< 1.00	< 1.20	< 1.15	
671780	BLANK A-1	BLANK			< 1.00			

Note: 1. Blank values were not subtracted from reported sample values; 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; 4. Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; and 5. This report does not constitute endorsement by AIHA, NVLAP and/or any other U.S. governmental agencies.

Analyst: Z. Hill, B.S. **QA/QC By:** _____

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NVLAP# 101032

REPORT OF ANALYSIS

Test Method: NIOSH 7900

Report Revision#: Original
Project Number: L211501
Project Name: 12-03-10A - KCI TECHNOLOGIES INC.-01083028.04-DGS
Project Location: MASONVILLE COVE BACKGROUND (TASK 3)
Date Received: 12/2/2010 **Date Sampled:** 11/15/2010
Date Analyzed: 12/3/2010 **Sampled By:** CLIENT
Analyte Requested: AIR-As (ARSENIC) **Date Report Issued:** 12/7/2010

Lab Sample#	Field Sample#	Sample Description	Total Time (min)	Volume (L)	As (ARSENIC) µg / sample	As (ARSENIC) µg/m³	8 Hr TWA (µg/m³)	Reporting Limit (µg/sample)
671768	1C-1	MASONVILLE EDUCATION CENTER	480	960.0	< 1.00	< 1.04	< 1.04	
671769	2C-1	AREA #2	460	920.0	< 1.00	< 1.09	< 1.04	
671770	3C-1	AREA #3	461	922.0	< 1.00	< 1.08	< 1.04	
671772	4C-1	AREA #4	422	844.0	< 1.00	< 1.18	< 1.04	
671774	BLANK C-1	BLANK			< 1.00			1.00
671776	1A-1	AREA #5	482	964.0	< 1.00	< 1.04	< 1.04	
671777	2A-1	AREA #6	480	960.0	< 1.00	< 1.04	< 1.04	
671778	3A-1	AREA #7	458	916.0	< 1.00	< 1.09	< 1.04	
671779	4A-1	AREA #8	460	836.0	< 1.00	< 1.20	< 1.15	
671780	BLANK A-1	BLANK			< 1.00			

Note: 1. Blank values were not subtracted from reported sample values; 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; 4. Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; and 5. This report does not constitute endorsement by AIHA, NVLAP and/or any other U.S. governmental agencies.

Analyst: Z. Hill, B.S. **QA/QC By:** _____

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REPORT OF ANALYSIS

Test Method: NIOSH 7900

Report Revision#: Original
Project Number: L211501
Project Name: 12-03-10A - KCI TECHNOLOGIES INC.-01083028.04-DGS
Project Location: MASONVILLE COVE BACKGROUND (TASK 3)
Date Received: 12/2/2010 **Date Sampled:** 11/15/2010
Date Analyzed: 12/3/2010 **Sampled By:** CLIENT
Analyte Requested: AIR-As (ARSENIC) **Date Report Issued:** 12/7/2010

Lab Sample#	Field Sample#	Sample Description	Total Time (min)	Volume (L)	As (ARSENIC) µg / sample	As (ARSENIC) µg/m³	8 Hr TWA (µg/m³)	Reporting Limit (µg/sample)
671781	1A-2	AREA #9	480	960.0	< 1.00	< 1.04	< 1.04	
671782	2A-2	AREA #10	481	961.0	< 1.00	< 1.04	< 1.04	
671783	3A-2	AREA #11	481	961.0	< 1.00	< 1.04	< 1.04	
671784	4A-2	AREA #12	480	960.0	< 1.00	< 1.04	< 1.04	
671785	BLANK A-2	BLANK			< 1.00			1.00
671786	1 B-1	AREA #13	480	960.0	< 1.00	< 1.04	< 1.04	
671787	2B-1	AREA #14	480	960.0	< 1.00	< 1.04	< 1.04	
671788	3B-1	AREA #15	480	960.0	< 1.00	< 1.04	< 1.04	
671789	BLANK B1	BLANK			< 1.00			

Note: 1. Blank values were not subtracted from reported sample values; 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; 4. Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; and 5. This report does not constitute endorsement by AIHA, NVLAP and/or any other U.S. governmental agencies.

Analyst: Z. Hill, B.S. **QA/QC By:** _____

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AIHA/NLLAP#: 100448

NVLAP# 101032

REPORT OF ANALYSIS

Test Method: NIOSH 7082

Report Revision#: Original
Project Number: L211501
Project Name: KCI TECHNOLOGIES INC.-01083028.04-DGS-12-03-10A
Project Location: MASONVILLE COVE BACKGROUND (TASK 3)
Date Received: 12/2/2010 **Date Sampled:** 11/15/2010
Date Analyzed: 12/3/2010 **Sampled By:** CLIENT
Analyte Requested: AIR-Pb (LEAD) **Date Report Issued:** 12/10/2010

Lab Sample#	Field Sample#	Sample Description	Total Time (min)	Volume (m^3)	Pb (LEAD) µg / sample	Pb (LEAD) µg/m^3	8 Hr TWA (µg/m^3)	Reporting Limit (µg/sample)
671768	1C-1	MASONVILLE EDUCATION CENTER	480	960.0	< 2.50	< 2.60	< 2.60	
671769	2C-1	AREA #2	460	920.0	< 2.50	< 2.72	< 2.60	
671770	3C-1	AREA #3	461	922.0	< 2.50	< 2.71	< 2.60	
671772	4C-1	AREA #4	422	844.0	< 2.50	< 2.96	< 2.60	
671774	BLANK C-1	BLANK			< 2.50			2.50
671776	1A-1	AREA #5	482	964.0	< 2.50	< 2.59	< 2.60	
671777	2A-1	AREA #6	480	960.0	< 2.50	< 2.60	< 2.60	
671778	3A-1	AREA #7	458	916.0	< 2.50	< 2.73	< 2.60	
671779	4A-1	AREA #8	460	874.0	< 2.50	< 2.86	< 2.74	
671780	BLANK A-1	BLANK			< 2.50			

Note: 1. Blank values were not subtracted from reported sample values; 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; 4. Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; and 5. This report does not constitute endorsement by AIHA, NVLAP and/or any other U.S. governmental agencies.

Analyst: Z. Hill, B.S. **QA/QC By:** _____

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EPA LAB ID#: DE004

AIHA/NLLAP#: 100448

NVLAP# 101032

REPORT OF ANALYSIS

Test Method: NIOSH 7082

Report Revision#: Original
Project Number: L211501
Project Name: KCI TECHNOLOGIES INC.-01083028.04-DGS-12-03-10A
Project Location: MASONVILLE COVE BACKGROUND (TASK 3)
Date Received: 12/2/2010 **Date Sampled:** 11/15/2010
Date Analyzed: 12/3/2010 **Sampled By:** CLIENT
Analyte Requested: AIR-Pb (LEAD) **Date Report Issued:** 12/10/2010

Lab Sample#	Field Sample#	Sample Description	Total Time (min)	Volume (L)	Pb (LEAD) µg / sample	Pb (LEAD) µg/m³	8 Hr TWA (µg/m³)	Reporting Limit (µg/sample)
671781	1A-2	AREA #9	480	960.0	< 2.50	< 2.60	< 2.60	
671782	2A-2	AREA #10	481	961.0	< 2.50	< 2.60	< 2.61	
671783	3A-2	AREA #11	481	961.0	< 2.50	< 2.60	< 2.61	
671784	4A-2	AREA #12	480	960.0	< 2.50	< 2.60	< 2.60	
671785	BLANK A-2	BLANK			< 2.50			2.50
671786	1 B-1	AREA #13	480	960.0	< 2.50	< 2.60	< 2.60	
671787	2B-1	AREA #14	480	960.0	< 2.50	< 2.60	< 2.60	
671788	3B-1	AREA #15	480	960.0	< 2.50	< 2.60	< 2.60	
671789	BLANK B1	BLANK			< 2.50			

Note: 1. Blank values were not subtracted from reported sample values; 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; 4. Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; and 5. This report does not constitute endorsement by AIHA, NVLAP and/or any other U.S. governmental agencies.

Analyst: Z. Hill, B.S. **QA/QC By:** _____

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CHAIN OF CUSTODY

NVLAP # 101032 AIHA/NLLAP # 100448

Delaware Industrial Park
6 Garfield Way, Newark, DE 19713-5817
Tel: (302) 737-3376 Fax: (302) 737-5764
E-mail: battaenv@battaenv.com
Web: http://www.battaenv.com

Customer Billing Information Tel: 443-929-4899
Customer Name: KCI TECHNOLOGIES, INC.
Billing Address 1: 10, North Park Drive
Billing Address 2: Hunt Valley, MD, 21030
Send Results To: Allen Bennett Tel: 410-891-1844
E-mail: allen.bennette@kci.com Fax: 410.316.7935

Shipping Information
☐ Picked up by BLI
☐ Delivered by Customer
☑ Shipped by Customer

Turn Around Time (TAT)
☐ Immediate ☐ 3 Hrs ☐ 6 Hrs ☐ 12 Hrs ☐ 24 Hrs ☐ 48 Hrs ☐ 72 Hrs ☐ 4 Days ☒ 5 Days 7 Days

Other TAT Request :

Project Name: Masonville Cove Background (Task 3)
Project Location:
Project #: 0107116223
Lab Project #: L21501

BLI Use Only	Sample ID #	Sample Location/Description	Sample Date	Volume	Sample Area	Sample Type	Analytical Type/Method	Results	Date of Analysis	Analyst
671768	1C-1	Masonville Education Center	11/15/10	960		Air Samples	NIOSH 7300 Arsenic, Lead NIOSH 0500 Nuisance Dust	SEE COA		
671769	2C-1	Area #2		920						
671770	3C-1	Area #3		922						
671772	4C-1	Area #4		844						
671774	Blank C-1	–		NA						
671776	1A-1	Area #5	11/19/10	964						
671777	2A-1	Area #6		960						
671778	3A-1	Area #7		912						
671779	4A-1	Area #8		836						
671786	Blank A-1	–		NA						
671781	1A-2	Area #9	11/18/10	960						
671782	2A-2	Area #10		961						

Sample Relinquished by: Allen Bennett Date: 11/29/10 Time: 16:00
Sample Received by: [signature] Date: 11/30/10 Time: 8:31
Sample Relinquished by: Date: Time:
Sample Received by: Date: Time:

Customer Special Request/Comments (If applicable):

BLI Use Only
Logged in by: ZH Date of Login: 12/2/10 Time: 10:18
Lab Comment:

BLI Use Only
Are samples accepted? If not, please explain below.
☑ Yes ☐ No ☐ Yes w/ Comment
Explanation/Comment:

Method of Payment
☐ Cash Cashier:
☐ Visa/Master Card/Discover
☐ Money Order
☐ Purchase Order#
☐ Check #
Unit Price/Quote:
Total Payment:
Other:

Format of Results Reported: ☐ This COC plus customer COC
☑ This COC, customer COC and BLI certificate
Reported by: ZH Date: 12-7-10 Time:
Via: ☐ Fax ☐ Phone ☑ E-mail:
☐ Verbal Person Contacted: Allen Bennett

*Samples will be analyzed in the order they are received. BLI assumes no responsibility for the accuracy of results affected by the use of improper sampling techniques or equipment.

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CHAIN OF CUSTODY

NVLAP NVLAP # 101032 AIHA/NLLAP # 100448

Page of

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Tel: (302) 737-3376 Fax: (302) 737-5764
E-mail: battaenv@battaenv.com
Web: http://www.battaenv.com

Customer Billing Information Tel: 443-929-4899

Customer Name: KCI Technologies, Inc.
Billing Address 1: 939 Ridgebrook Rd.
Billing Address 2: Sparks, MD 21152
Send Results To: Allen Bennett Tel: 443-929-4899
E-mail: Allen.Bennett@KCI.com Fax:

Shipping Information

- ☐ Picked up by BLI
- ☐ Delivered by Customer
- ☒ Shipped by Customer

Turn Around Time (TAT)

- ☐ Immediate
- ☐ 3 Hrs
- ☐ 6 Hrs
- ☐ 12 Hrs
- ☐ 24 Hrs
- ☐ 48 Hrs
- ☐ 72 Hrs
- ☐ 4 Days
- ☒ 5 Days
- ☒ 7 Days

Other TAT Request :

Project Name: Masonville Cove Background (Task 3)
Project Location:
Project #: 01C7160223
Lab Project #: L21150

BLI Use Only	Customer Sample No.	Sample Location/Description	Sample Date/Time	Volume	Sample Area	Sample Type	Analytical Type/Method	Results	Date of Analysis	Analyst
671783	3A-2	Area # 11	11/18/10	961			NIOSH 7300 Arsenic, Lead NIOSH 0500, Nuisance Dust	SEE ATTA		
671784	4A-2	Area # 12		960						
671785	BlankA-2	-		NA						
671786	1B-1	Area # 13	11/24/10	960						
671787	2B-1	Area # 14		960						
671788	3B-1	Area # 15		960						
671789	Blank B1	-		NA						

Sample Relinquished by: Allen Bennett Date: 11/29/10 Time: 16:00
Sample Received by: Date: 11/30/10 Time:
Sample Relinquished by: Date: Time:
Sample Received by: Date: Time:

Customer Special Request/Comments (if applicable):

BLI Use Only

Are samples accepted? If not, please explain below.
☒ Yes ☐ No ☐ Received on Ice
Explanation/Comment:

Method of Payment

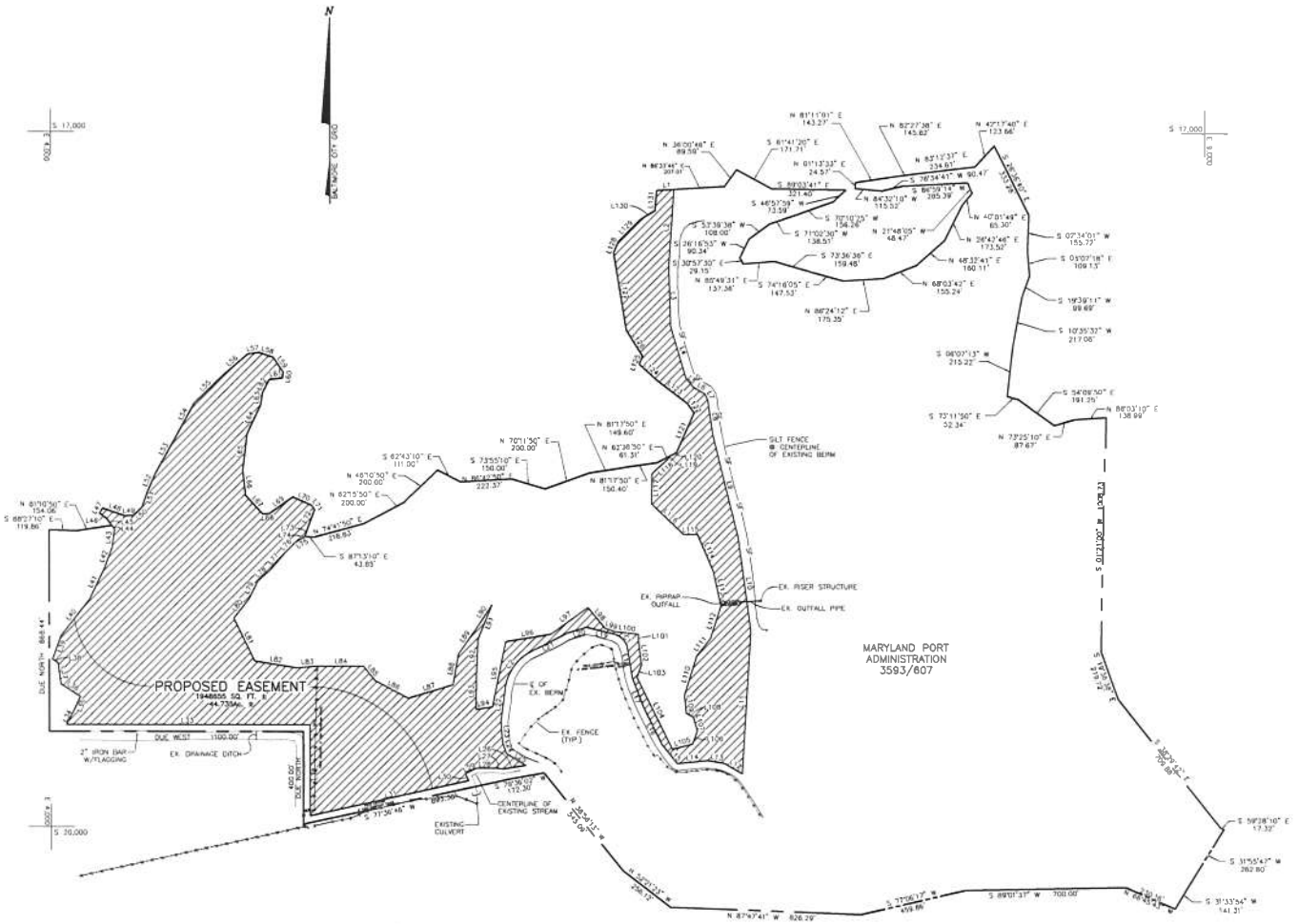
- ☐ Cash Cashier:
- ☐ Visa/Master Card/Discover
- ☐ Money Order
- ☐ Purchase Order#
- ☐ Check #
- Unit Price/Quote:
- Other:
- Total Payment:

Format of Results Reported: ☐ This COC plus customer COC
☒ This COC, customer COC and BLI certificate
Reported by: ZH Date: 12/7/10 Time:
Via: ☐ Fax ☐ Phone ☒ E-mail:
☐ Verbal Person Contacted: Allen Bennett

BLI Use Only

Logged in by: ZH Date of Login: 12/2/10 Time: 10:18
Lab Comment:

*Samples will be analyzed in the order they are received. BLI assumes no responsibility for the accuracy of results affected by the use of improper sampling techniques or equipment.



LOCATION MAP
NOT TO SCALE

GENERAL NOTES

1. THE BOUNDARY SHOWN HEREON IS BASED UPON THE DEED RECORDED AMONG THE LAND RECORDS OF BALTIMORE CITY IN LIBER 3593 FOLIO 607 AND ALSO BASED UPON A SURVEY PLAT ENTITLED "SURVEY PLAT PROPERTY OF ARUNCEL CORPORATION, BROOKLYN-MARDWYLLE" DATED FEBRUARY 16, 1978 AND PREPARED BY CENTURY ENGINEERING, INC.

2. THIS PLAT WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.

LINE	BEARING	DISTANCE
L1	N 86°33'46" E	75.38'
L2	S 04°04'39" W	331.74'
L3	S 01°56'37" E	259.94'
L4	S 16°17'18" E	232.28'
L5	S 39°32'53" E	51.50'
L6	S 59°38'18" E	98.17'
L7	S 24°59'14" E	29.11'
L8	S 07°40'59" E	149.65'
L9	S 13°54'36" E	457.38'
L10	S 07°48'16" E	407.75'
L11	S 02°53'43" W	617.80'
L12	N 60°20'54" W	90.38'
L13	N 80°39'26" W	70.47'
L14	S 84°35'54" W	133.77'
L15	N 38°50'06" W	105.20'
L16	N 26°30'15" W	180.61'
L17	N 21°05'32" W	134.81'
L18	N 09°08'20" W	129.30'
L19	N 76°32'17" W	126.49'
L20	S 72°49'04" W	85.07'
L21	S 62°04'50" W	174.57'
L22	S 07°19'22" W	142.29'
L23	S 04°03'43" E	90.46'
L24	S 18°08'53" E	31.08'
L25	S 58°07'25" E	98.86'
L26	S 81°01'59" E	99.14'
L27	N 84°30'23" W	41.98'
L28	S 88°34'52" W	76.55'
L29	S 62°24'08" W	50.78'
L30	S 24°22'05" E	35.21'
L31	S 77°36'46" W	702.63'
L32	N 00°00'00" E	392.70'
L33	N 90°00'00" W	1055.97'
L34	N 27°32'42" E	64.31'
L35	N 25°49'00" E	70.41'
L36	N 57°25'08" W	100.88'
L37	N 07°01'50" W	90.25'
L38	N 68°27'10" E	119.86'
L39	N 19°27'47" W	106.82'
L40	N 38°14'45" E	199.26'
L41	N 25°51'20" E	147.68'
L42	N 20°23'09" E	161.90'
L43	N 07°23'57" E	79.03'
L44	N 37°54'03" W	19.19'
L45	N 37°54'07" W	37.87'
L46	N 32°24'19" W	38.10'
L47	N 31°33'53" E	28.41'
L48	S 70°45'00" E	100.93'
L49	N 88°17'23" E	37.17'
L50	N 46°48'08" E	51.83'
L51	N 19°16'50" E	75.00'
L52	N 23°36'42" E	81.97'
L53	N 29°40'22" E	218.22'
L54	N 28°33'29" E	129.22'
L55	N 45°43'49" E	173.10'
L56	N 49°21'25" E	142.70'
L57	N 82°00'00" E	47.91'
L58	S 70°45'51" E	66.03'
L59	S 34°01'11" E	78.58'
L60	S 10°09'19" W	74.19'
L61	S 82°59'55" W	57.36'
L62	S 27°21'48" W	62.61'
L63	S 08°49'05" W	53.01'
L64	S 25°10'13" W	141.06'
L65	S 06°50'44" W	156.01'
L66	S 09°36'10" E	109.70'
L67	S 42°53'05" E	108.76'
L68	N 89°06'28" E	29.05'
L69	N 70°13'07" E	124.05'
L70	S 68°49'14" E	88.26'
L71	S 34°21'49" E	22.78'
L72	S 20°52'40" W	63.46'
L73	S 19°33'02" W	40.77'
L74	S 19°33'02" W	3.95'
L75	S 60°49'27" W	46.53'
L76	S 45°39'00" W	66.27'
L77	S 41°22'30" W	93.02'
L78	S 47°29'28" W	71.78'
L79	S 26°13'25" W	87.64'
L80	S 38°32'16" W	105.22'
L81	S 26°07'11" E	206.03'
L82	N 80°55'51" E	181.04'
L83	N 85°25'03" E	102.21'
L84	S 89°40'23" E	188.77'
L85	S 39°33'26" E	80.57'
L86	S 62°28'13" E	160.72'
L87	N 72°27'22" E	202.87'
L88	N 72°35'14" E	134.01'
L89	N 34°44'54" E	156.71'
L90	N 33°34'13" E	100.28'
L91	S 27°17'48" W	181.01'
L92	S 02°34'43" W	145.35'
L93	S 80°52'05" W	155.87'
L94	N 81°19'48" E	72.13'
L95	N 11°36'17" E	287.44'
L96	N 81°04'38" E	197.95'
L97	N 54°34'05" E	198.34'
L98	S 39°38'23" E	112.44'
L99	S 70°19'49" E	47.11'
L100	S 82°25'05" E	102.99'
L101	S 01°21'54" E	36.92'
L102	S 08°43'28" E	34.41'
L103	S 19°01'37" W	57.35'
L104	S 26°13'27" E	346.80'
L105	N 75°12'23" E	89.36'
L106	N 21°22'04" E	60.32'
L107	N 18°05'44" W	61.87'
L108	N 59°45'57" W	35.50'
L109	N 08°15'37" W	78.81'
L110	N 17°31'26" E	174.71'
L111	N 38°18'13" E	99.67'
L112	N 17°36'18" E	145.84'
L113	N 12°11'05" W	155.35'
L114	N 23°01'40" W	171.74'
L115	S 89°53'05" W	60.69'
L116	N 48°29'35" W	191.41'
L117	N 09°56'53" E	131.49'
L118	N 48°15'24" E	87.91'
L119	N 33°36'44" E	18.58'
L120	N 62°36'50" E	34.11'
L121	N 23°57'45" E	187.36'
L122	N 10°08'35" W	57.07'
L123	N 52°53'37" W	163.72'
L124	N 48°13'22" W	103.82'
L125	N 27°11'43" E	37.78'
L126	N 31°34'32" W	131.83'
L127	N 09°26'51" W	338.81'
L128	N 22°11'10" E	53.82'
L129	N 45°41'54" E	132.24'
L130	N 58°15'30" E	74.67'
L131	N 09°15'12" E	87.73'

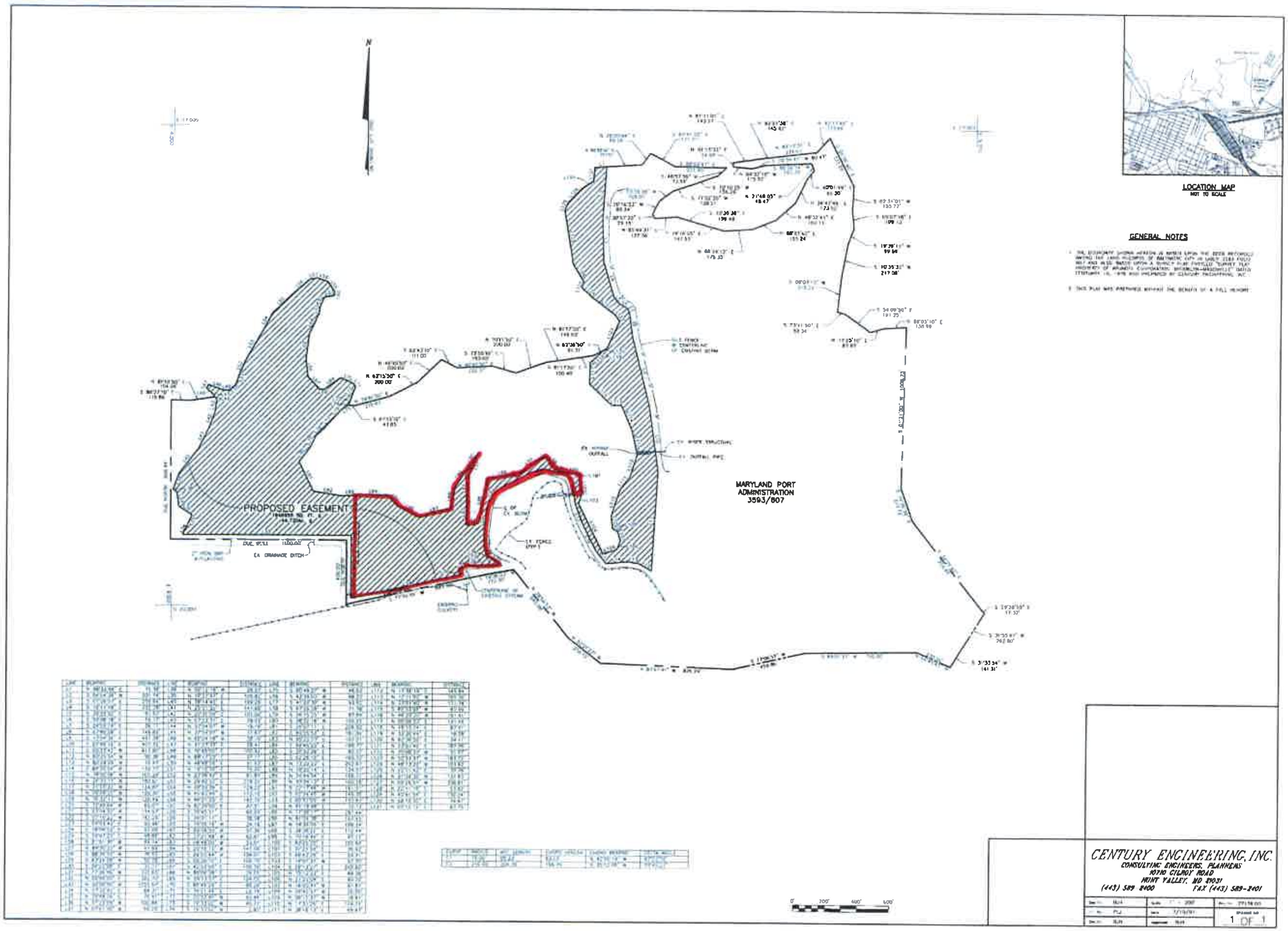
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	75.00'	88.23'	83.23'	N 42°30'19" W	67°23'58"
C2	210.00	204.36'	196.39'	S 39°12'06" W	55°43'27"

0' 200' 400' 800'

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS, PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
(443) 589-2400 FAX (443) 589-2401

Des. By	BJH	Scale	1" = 200'
Drn. By	PLJ	Date	7/10/07
Chk. By	BJH	Approved	BJH

Proj. No. 27178.00
Drawing No.
1 OF 1


LOCATION MAP
NOT TO SCALE
GENERAL NOTES
PROPOSED EASEMENT
MARYLAND PORT
ADMINISTRATION
3593/807
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS, PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
(443) 589-2400
FAX (443) 589-2401
1 OF 1

APPENDIX F

Environmental Covenant

ENVIRONMENTAL COVENANT

HOLDER: Maryland Port Administration
PROPERTY ADDRESS: 1000 Frankfurst Avenue, Baltimore, Maryland 21226

This Environmental Covenant is executed pursuant to the provisions of Subtitle 8, Title 1 of the Environmental Article, Ann. Code of Md. (2007 Repl. Vol.). This Environmental Covenant subjects the Property identified in Paragraph 1 to the activity and/or use limitations in this document. As indicated later in this document, this Environmental Covenant has been approved by the Maryland Department of the Environment (Department).

1. **Property Affected**. The property affected (Property) by this Environmental Covenant is located in Baltimore City, Maryland.

The postal street address of the Property is: 1000 Frankfurst Avenue, Baltimore, MD 21226.
The County Land Records Deed Reference: RHB Liber 3593, Folio 0607.
The latitude and longitude of the center of the Property affected by this Environmental Covenant is: ***39.243/ -76.596***.

The Property has been known by the following names:

- Masonville Cove

A complete metes and bounds description of the Property is attached to this Environmental Covenant as Exhibit A. A map of the Property is attached to this Environmental Covenant as Exhibit B.

2. **Property Owner/Holder**. Maryland Port Administration is the owner of the Property. The mailing address of the Owner is: Director, Maritime Commercial Management, Maryland Port Administration, World Trade Center 21st Floor, 401 East Pratt Street, Baltimore, MD 21202.

3. **Holder/Grantee**. Maryland Port Administration.

4. **Regulatory Program(s) Issuing Departmental Determination.** The following regulatory program(s) within the Department is responsible for having issued a determination requiring the use of this Environmental Covenant:

☒ Controlled Hazardous Substance Enforcement Division
☒ Other Program within the Department: Land Restoration Program

5. **Activity & Use Limitations**. The Property is subject to the following activity and use limitations, which the Owner and each subsequent owner of the Property shall abide by:

a. The area identified as Access Zone 1 of the Uplands (Access Zone 1) shall be subject to the following activity and use limitations, which the MPA and each user of Access Zone shall abide by:

- Groundwater shall not be used for any purposes.
- Prior to any excavation work, a minimum of 5 days prior notice must be provided by MPA to the Maryland Department of the Environment Project Coordinator identified in the Administrative Consent Order.
- Any excavation work must be conducted in accordance with a health and safety plan that complies with Occupational Safety and Health Act (OSHA) requirements.
- Any soil or groundwater excavated, pumped or otherwise removed must be tested, properly characterized and disposed of in accordance with applicable law(s).
- Use will be limited to activities associated with Level 2 – Public Recreational Areas (Moderate Frequency Use), i.e:
  - *Definition*: A moderate frequency use area is any area that is available for recreation by all populations but the frequency of use is less than a high frequency of use area. Such areas may be restricted through the use of fencing, permitting requirements, or other similar restrictions that prevent or hinder unimpeded access to the recreational area. Examples include, but are not limited to, outdoor aquatic facilities, athletic facilities, dog parks, and limited access parks.
  - *Frequency*: The frequency of visits by all populations is 182 days per year or less.

6. **Notice of Limitations in Future Conveyances**. Each instrument hereafter conveying any interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitations set forth in this Environmental Covenant and shall provide the recorded location of this Environmental Covenant.

7. **Access by the Department**. In addition to any rights already possessed by the Department, this Environmental Covenant grants to the Department a right of access of the Property to implement or enforce this Environmental Covenant.

8. **Recordation & Filing with Registry**. The Owners shall record this Environmental Covenant in the Land Records of Baltimore City following the execution of the covenant and send proof of the recording to the Department within 30 days of recordation. This Environmental Covenant shall be filed as soon as possible after execution in the Registry of environmental covenants maintained by the Department.

9. **Termination or Modification**. This environmental covenant may only be terminated or modified in accordance with Section 1-809 of the Environmental Article, Ann. Code of Md. (2007 Repl. Vol.).

10. **Department's Address**. Communications with the Department regarding this Environmental Covenant shall be sent to: Registry of Environmental Covenants, Maryland Department of the Environment, Land Management Administration, Land Restoration Program, 1800 Washington Blvd., Baltimore, MD 21230.

(Balance of page intentionally blank. Signatures on following page.)

ACKNOWLEDGMENTS by Owner and any Holder, in the following form:

Maryland Port Administration

Date: 4/23/12

By: _____
Name: James J. White
Title: Executive Director

APPROVED, by Maryland Department of the Environment

Date:

By: _____
Name: _____
Title: _____

STATE OF MARYLAND)
) SS:
CITY OF BALTIMORE)

On this 23rd day of April, 2012, before me, the undersigned authorized Notary Public, personally appeared James J. White, who acknowledged himself to be the Executive Director of the Maryland Port Administration, and being authorized to do so, acknowledged that he executed same on behalf of the Holder for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Angela H. Zeszeles
Notary Public Angela H Zeszeles

My Commission Expires: 11-24-2014

This instrument is approved as to form and legal sufficiency and was prepared by the undersigned attorney, who is admitted to practice before the Court of Appeals of Maryland.

Peter W. Taliaferro
Assistant Attorney General
Maryland Port Administration

EXHIBIT A

MASONVILLE COVE ACCESS ZONE 1

Beginning for the same at a point located North 77° 36' 46" East 45.68 feet from the end of the first or South 77° 36' 46" West 893.38 foot line of that parcel of land described in a deed recorded among the Land Records of Baltimore City in Liber 3593 Folio 607 and conveyed to the Maryland Port Administration from the Arundel Corporation and Arundel Sand and Gravel Company, thence leaving said point of beginning and running through said parcel of land, as now surveyed and referenced to the Baltimore City Survey Control System, the following 22 courses and distances:

1) North 01° 15' 11" East 672.56 feet to a point, thence;
2) North 85° 25' 03" East 11.92 feet to a point, thence;
3) South 89° 40' 23" East 188.77 feet to a point, thence;
4) South 39° 33' 26" East 80.57 feet to a point, thence;
5) South 62° 26' 15" East 160.72 feet to a point, thence;
6) North 73° 22' 22" East 202.67 feet to a point, thence;
7) North 10° 35' 14" East 134.01 feet to a point, thence;
8) North 34° 44' 54" East 156.71 feet to a point, thence;
9) North 33° 34' 13" East 100.28 feet to a point, thence;
10) South 22° 17' 46" West 161.01 feet to a point, thence;
11) South 02° 34' 45" West 145.35 feet to a point, thence;
12) South 00° 52' 05" West 155.87 feet to a point, thence;
13) North 81° 19' 48" East 72.13 feet to a point, thence;
14) North 11° 38' 17" East 287.44 feet to a point, thence;
15) North 81° 04' 38" East 197.95 feet to a point, thence;
16) North 54° 33' 26" East 198.32 feet to a point, thence;
17) South 39° 38' 22" East 112.44 feet to a point, thence;
18) South 70° 19' 49" East 47.11 feet to a point, thence;
19) South 83° 25' 20" East 102.99 feet to a point, thence;
20) South 01° 21' 54" East 36.92 feet to a point, thence;
21) South 06° 43' 28" East 78.71 feet to a point, thence;
22) South 83° 16' 32" West 48.78 feet to a point, thence;
23) North 09° 08' 20" West 61.10 feet to a point, thence;
24) 88.23 feet along the arc of a curve to the left, having a radius of 75.00 feet, and being subtended by a chord bearing North 42° 50' 19" West, 83.23 feet to a point, thence;
25) North 76° 32' 17" West 126.49 feet to a point, thence;
26) South 72° 49' 04" West 85.07 feet to a point, thence;
27) South 63° 04' 50" West 174.57 feet to a point, thence;
28) 204.36 feet along the arc of a curve to the left, having a radius of 210.00 feet, and being subtended by a chord bearing South 35° 12' 06" West, 196.39 feet to a point; thence;
29) South 07° 19' 22" West 142.29 feet to a point, thence;
30) South 04° 03' 43" East 90.46 feet to a point, thence;
31) South 18° 06' 53" East 51.08 feet to a point, thence;
32) South 59° 07' 25" East 98.86 feet to a point, thence;
33) South 84° 59' 55" East 15.05 feet to a point, thence;
34) South 70° 42' 27" East 32.38 feet to a point, thence;
35) South 74° 03' 15" East 30.34 feet to a point, thence;
36) South 50° 42' 06" East 25.79 feet to a point, thence;

37) South 37° 27' 35" East 16.55 feet to a point, thence;
38) South 68° 31' 46" West 10.49 feet to a point on the third line or South 39° 10' 48" East 545.09 foot of that parcel of land described in a deed to Maryland Port Administration dated November 24th, 2004 and recorded among the Land Records of Baltimore City in Liber 6297 Folio 495, 26.00 feet from the beginning thereof. Thence leaving said point and running through said parcel of land, the following 16 courses and distances:
39) South 68° 31' 46" West 41.50 feet to a point, thence;
40) North 65° 46' 17" West 21.19 feet to a point, thence;
41) North 80° 19' 52" West 18.33 feet to a point, thence;
42) South 85° 24' 23" West 18.02 feet to a point, thence;
43) South 77° 21' 32" West 17.92 feet to a point, thence;
44) South 78° 11' 47" West 30.84 feet to a point, thence;
45) South 78° 59' 10" West 28.62 feet to a point, thence;
46) South 76° 51' 25" West 27.06 feet to a point, thence;
47) South 70° 53' 22" West 27.23 feet to a point, thence;
48) South 57° 45' 23" West 30.89 feet to a point, thence;
49) South 54° 04' 22" West 28.52 feet to a point, thence;
50) South 58° 06' 16" West 17.49 feet to a point, thence;
51) South 68° 33' 35" West 8.96 feet to a point, thence;
52) South 77° 04' 50" West 16.99 feet to a point, thence;
53) South 82° 10' 40" West 14.17 feet to a point, thence;
54) North 74° 43' 56" West 3.31 feet to a point on the 19th or North 12° 32' 49" West 64.88 foot line of that parcel of land described in the aforementioned deed recorded as aforesaid in Liber 6297 Folio 495, thence binding on a portion of said line;
55) North 12° 20' 21" West 43.07 feet to a point on the first or South 77° 36' 46" West 893.38 foot line of the firstly mentioned deed recorded in Liber 3593 Folio 607, thence running with and binding on a portion of said line;
56) South 77° 36' 46" West 692.66 feet to the place of beginning.

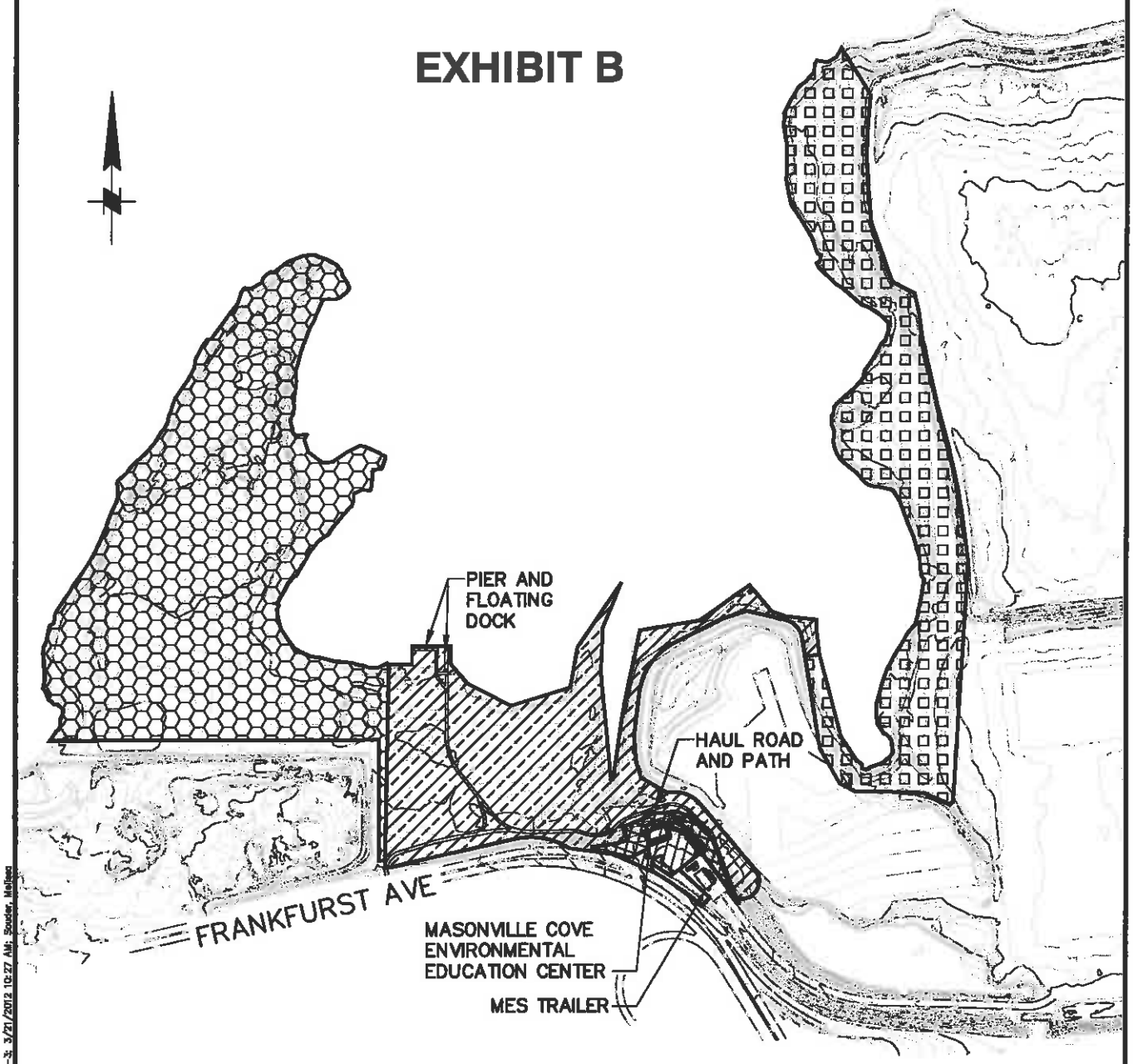
Containing in all 487,524 square feet or 11.192 acres of land, more or less.

Being a portion of that parcel of land described in a deed to Maryland Port Administration, an agency of the Maryland Department of Transportation dated March 30th, 1978 and recorded among the Land Records of Baltimore City in Liber 3593 Folio 607. Also being a portion of that parcel of land described in a deed to Maryland Port Administration dated November 24, 2004 and recorded among the Land Records of Baltimore City in Liber 6297 Folio 495.

Professional Certification.

I hereby certify that this description was prepared by me or under my responsible charge, and that I am a duly licensed professional land surveyor under the laws of the State of Maryland, License No. 21139, Expiration Date June 20, 2012.

EXHIBIT B



ACCESS ZONE 1
525,791 SF
12.07 ACRES

ACCESS ZONE 2
1,026,347 SF
23.56 ACRES
AVAILABLE 2013

ACCESS ZONE 3
586,574 SF
13.47 ACRES
AVAILABLE 2014

MCEEC TENANT LEASED AREA
49,702 SF
1.14 ACRES

MCEEC UNIMPROVED LEASED AREA
27,315 SF
0.63 ACRES

moffatt & nichol	SCALE: 1"=500'	MCEEC TENANT LEASED AREAS AND ACCESS ZONES	MARCH 2012

P:\0380-08 MVILLE COVE\CADD\PHASES\ACCESS ZONE 1-3\0380080-C101 ZONES 1-3; 3/21/2012 10:27 AM: Souder, Melissa